

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: S. V. Govindan
Title: STABLE RADIOIODINE CONJUGATES AND METHODS FOR THEIR
SYNTHESIS
Appl. No.: Unassigned
Filing Date: 11/17/2003
Examiner: Unassigned
Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicant submits herewith on Form PTO-1449 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/605,873, filed 06/29/2000. Applicant also submits Form PTO-892 listing documents cited by the Examiner in the parent application. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date Nov. 17, 2003

By Stephen B. Maebius

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: November 17, 2003 (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	11/17/03
				First Named Inventor	S. V. Govindan
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	2	Attorney Docket Number	018733-1317

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	5,274,076	530	Barbet <i>et al.</i>	12-28-1993	
	A2	5,273,738	424	Matthews <i>et al.</i>	12-28-1993	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A3	EP	0 419 387			03-27-1991		
	A4	EP	0 492 478			07-01-1992		
	A5	GB	2 109 407			06-02-1983		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A6	Goldenberg, D. M., "Monoclonal Antibodies in Cancer Detection and Therapy," <i>The American Journal of Medicine</i> , (March 1993) 94:297-312.	
	A7	Strobel, J. L. <i>et al.</i> , "I-Glycoconjugate Labels for Identifying Sites of Protein Catabolism <i>in Vivo</i> : Effect of Structure and chemistry of Coupling to Protein on Label Entrapment in Cells after Protein Degradation," <i>Archives of Biochemistry and Biophysics</i> , (August 1985) 240(2):635-645.	
	A8	Franano, F. N. <i>et al.</i> , "Metabolism of Receptor Targeted ¹¹¹ In-DTPA-Glycoproteins: Identification of ¹¹¹ In-DTPA- α -lysine as the Primary Metabolic and Excretory Product," <i>Nucl Med. Biol</i> (1994) 21(8):1023-1034.	
	A9	Dumas, P. <i>et al.</i> , "Spécificité de L'iodotyrosine Desiodase des Microsomes Thyroïdiens et Hépatiques," <i>Biochimica et Biophysica Acta</i> (1973) 293:36-47.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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	A10	Seham, A. A. <i>et al.</i> , "Improving the Tumor Retention of Radiiodinated Antibody: Aryl Carbohydrate Adducts," <i>Cancer Research</i> (Suppl.) (February 1990) 50:783-788.	
	A11	Pawlak-Byczkowska, E. J. <i>et al.</i> , "Two New Monoclonal Antibodies, EPB-1 and EPB-2, Reactive with Human Lymphoma," <i>Cancer Research</i> (August 1989) 49:4568-4577.	
	A12	Wilbur, D. S. <i>et al.</i> , "Development of a Stable Radioiodinating Reagent to Label Monoclonal Antibodies for Radiotherapy of Cancer," <i>Journal of Nuclear Medicine</i> (1989) 30:216-226.	
	A13	Stein, R. <i>et al.</i> , "MURINE Monoclonal Antibodies Raised Against Human Non-Small Cell Carcinoma of the Lung: Specificity and Tumor Targeting," <i>Cancer Research</i> (February 1990) 50:1330-1336.	
	A14	Stein, R. <i>et al.</i> , "Effects of Radiolabeling Monoclonal Antibodies with a Residualizing Iodine Radio!abel on the Accretion of Radioisotope in Tumors," <i>Cancer Research</i> (July 1995) 55:3132-3139.	
	A15	Govindan, S. V., <i>et al.</i> , "Thiolations, ^{99m} Tc Labelings, and Animal n Vivo Biodistributions of Divalent Monoclonal Antibody Fragments," <i>Bioconjugate Chem.</i> (1996) 7:290-297.	
	A16	Hansen, H. J. <i>et al.</i> , "Characterization of Second-Generation Monoclonal Antibodies Against Carcinoembryonic Antigen," <i>Cancer</i> (June 1993) 71(11):3478-3485.	
	A17	Devys <i>et al.</i> , "Comparative Targeting of Human Colon-Carcinoma Multicell Spheroids Using One- and Two-step (Bispecific Antibody) Techniques," <i>Chemical Abstracts</i> (1996) 125(23):883-891.	
	A18	Bianchi, C. P., <i>Chemical Abstracts, 1-Pharmacology</i> (1988) 1:404-405.	
	A19	Govindan et al., "Labeling of Monoclonal Antibodies with Diethyltriarninepentaacetic Acid-Appended Radiiodinated Peptides Containing D-Amino Acids" <i>Bioconjugate Chemistry</i> (1999) 10:231-240	

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